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APPLICATION NO	·.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/646,018 08/22/2003		08/22/2003	Andrey Kozyrev	WJT08-0005D1	8991	
27512	7590	07/29/2004		EXAMINER		
WILLIAN			5	LEE, BENNY T		
8650 SOUTHWESTERN BLVD. #2825 DALLAS, TX 75206			5	ART UNIT	PAPER NUMBER	
				2817		
				DATE MAIL ED: 07/20/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.



## UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

FRUNG DATE

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Daniel Basinson

This a	application has been examined	Responsive to communica	tion filed on	This action is made final.	
A shorten Failure to	ed statutory period for response to the respond within the period for respons	is action is set to expire These will cause the application	to become abandoned. 3.	devs from the date of this letter. 5 U.S.C. 133	
	HE FOLLOWING ATTACHMENT(S)				
1. 3. 5.	Notice of References Cited by Exar Notice of Art Cited by Applicant, PT Information on How to Effect Drawli	TO-1449.		atent Drawing, PTO-948.  Iformal Patent Application, Form PTO-152	
Part II	SUMMARY OF ACTION		•		
1. 5	Claims	1-13		are pending in the applic	atio
	Of the above, daims	11-13	<u>.                                    </u>	are withdrawn from considera	atio
2. 🗀	Claims			have been cancelled.	
3. [2	Claims	1-9		are allowed.	
4.	Claims			is rejected.	
5.	Claims			are objected to.	
6.	/ Claims	1-12			
7				bject to restriction or election requirement.	•
·· —	This application has been filed with		C.F.R. 1.85 which are acc	eptable for examination purposes.	
8. 🔲	Formal drawings are required in res	ponse to this Office action.		·	
9. 🗀	The corrected or substitute drawings are acceptable; not accept	s have been received on able (see explanation or Not	ice re Patent Drawing PT		wing
10.	The proposed additional or substitute examiner;  disapproved by the examiner.	to sheet(s) of drawings filed			
🗀	_ ,===protector o, alo o.	Acciding (800 explanation).			
11. 🗀	The proposed drawing correction, file	ed	has been 🔲 approved;	disapproved (see explanation).	
12	Acknowledgement is made of the cia	im for priority under U.S.C. erial no	119. The certified copy ha	as 🗆 been received 🗀 not been received	d
13. 🔲		in condition for allowance a	Yount for formal manage	rosecution as to the merits is closed in	
. —	Other	p. 2.00 d.daylo, 1000 O.D. 1	11, 455 O.G. 215. ,		
14.	:	.*			
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PTOL-326 (Rev.9-89)

EXAMINER'S ACTION

SN 646018
U.S.GPO:1990-259-282

Art Unit: 2817

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 1-10, drawn to a phrase shifter with a bias dome, classified in class
   333, subclass 161.
- II. Claims 11-13, drawn to a reflective termination phase shifter, classified in class 333, subclass 161.

The inventions are distinct, each from the other because:

Inventions I and II are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together and they have different modes of operation, different functions, or different effects (MPEP § 806.04, MPEP § 808.01). In the instant case the different inventions different modes of operation. Although both inventions pertain to phase shifters, the manner or mode of how phase shift is imparted in invention I is patentably distinct from the manner of how phase shift is imparted in invention II. That is to say, invention I imparts phase shift along a length of transmission line while invention II imparts phase shift via reflective terminations.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

During a telephone conversation with William Tucker on July 6, 2004, a provisional election was made without traverse to prosecute the invention of Group I, claims 1-10. Affirmation of this election must be made by applicant in replying to this Office action. Claims 11-13 are withdrawn from further consideration by the examiner, 37 CFR 1.142(b), as being drawn to a non-elected invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

The disclosure is objected to because of the following informalities: Page 1, line 11, note that updated status information for the parent application should now be provided. Page 3, line 27, note that "impedance" (each occurrence) should be correctly spelled as -- impedance --. Page 8, line 18; page 9, line 14; page 12, line 26: note that the numeral "0" should correctly rewritten as the upper case letter --O --. Page 9, lines 6, 7, note that the description of the "Electrodes 82 and 84 also extend around the edges of the waveguide as shown in FIG. 5" is vague in meaning (i.e. no electrodes appear to extend around the edges of the waveguide). Page 10, lines 29, 30, note that it is unclear whether reference to "FIGs. 10 and 11" is appropriate since the labeled elements (138, 140) appear only in "Fig. 10". Page 11, line 4, note that "and cross section view in fig. 11" should be deleted as being unnecessary. Appropriate correction is required.

The disclosure is objected to because of the following informalities: Note that the following reference labels need explicit description relative to the corresponding figure description: fig. 1 (46); fig. 2 (28, 30, 32, 34, 54, 56, 58); Fig. 3 (14, 16, 18, 20, 24, 26); Fig. 4 (80); Fig. 5 (66, 68, 82, 84, 86, 88); fig. 7, all reference labels therein; fig. 8 (60, 76, 78, 80, 132); fig. 9 (80, 90, 92); figs. 10, 11 (160), fig. 10 (156, 158); Fig. 13 (166).

Appropriate correction is required.

The drawings are objected to because in fig. 5, the electrodes (82, 84) extending around the edge of the waveguide, as described at page 9, lines 6, 7 of the specification, does not appear depicted herein. A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance.

Claim 10 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

In claim 10, note that the recitation combinations thereof" is not adequately supported by the original specification such that one skilled in the art would not have been able to ascertain all intended combinations, therefore preventing one skilled in the art to fully make and use the intended invention without undue experimentation.

The following claims have been found objectionable for reasons set forth below:

In claim 1, seventh paragraph, note that --, wherein the coplanar waveguide -- should be inserted between "film" and "comprises" for a proper characterization.

In claim 1, ninth and tenth paragraphs and claim 5, second and third paragraphs, note that "form" should be rewritten as --provide-- at each occurrence.

In claim 6, note that for  $^{\circ}Al_2O_3$ ", note that the numeral "0" should be correctly written as the upper case letter -- O --.

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In claim 10, note that the transitional phrase "comprises one of ..." should be rephrased as to be in a proper Markush format.

Page 5

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kozyrev et al is the parent patent.

Any inquiry concerning this communication should be directed to Benny T. Lee at telephone number (571) 272 1764.

Lee/ds

07/13/04

BENNY T. LEE

PRIMARY EXAMINER
ART UNIT 2817